

MARYLAND HEALTH CARE COMMISSION

Adult Open Heart Surgery Cases, Projected Utilization of Adult Open Heart Surgery Procedures, and Consideration of Need for a New Cardiac Surgery Program by Regional Service Area

The following tables present adult open heart surgery cases, projected utilization of adult open heart surgery procedures, and consideration of need for a new cardiac surgery program by Regional Service Area. These projections are calculated using the methodology in **COMAR 10.24.17 State Health Plan for Facilities and Services: Specialized Health Care Services — Cardiac Surgery and Percutaneous Coronary Intervention Services**. They are published pursuant to the requirements of COMAR 10.24.17 and supersede any previously published projections in either the *Maryland Register*, or any plan approved by the Maryland Health Care Commission. The published projections remain in effect for use in Certificate of Need decisions until the Maryland Health Care Commission publishes updated projections.

Adult Open Heart Surgery Cases by Hospital:
Maryland and Washington, D.C., 2000-2002

Facility Name	2000	2001	2002
Western Maryland			
SACRED HEART HOSPITAL	26	242	285
Metropolitan Washington Region			
PRINCE GEORGE'S HOSPITAL CENTER	155	150	159
WASHINGTON ADVENTIST HOSPITAL	802	770	739
<i>Subtotal Maryland</i>	<i>957</i>	<i>920</i>	<i>898</i>
GEORGETOWN UNIVERSITY HOSPITAL	122	269	260
GEORGE WASHINGTON UNIVERSITY HOSPITAL	103	177	190
HOWARD UNIVERSITY HOSPITAL	45	20	23
WASHINGTON HOSPITAL CENTER	2,631	2,324	2,252
<i>Subtotal Washington, D.C.</i>	<i>2,901</i>	<i>2,790</i>	<i>2,725</i>
Metropolitan Washington Total	3,858	3,710	3,623
Metropolitan Baltimore Region			
ST JOSEPH MEDICAL CENTER	1,388	1,226	1,181
JOHNS HOPKINS HOSPITAL	1,023	1,063	946
SINAI HOSPITAL	547	544	522
UNION MEMORIAL HOSPITAL	1,034	1,074	938
UNIVERSITY OF MARYLAND MEDICAL CENTER	521	427	490
Metropolitan Baltimore Total	4,513	4,334	4,077
Eastern Shore			
PENINSULA REGIONAL MEDICAL CENTER	658	650	673
TOTAL	9,055	8,936	8,658

Source: Maryland Health Care Commission.

Maryland Hospital Discharge Abstracts 2000 (file created 3/27/2001), 2001 (file created 6/3/2003), 2002 (file created 6/6/2003).

District of Columbia Hospital Discharge Abstracts 2000, 2001, 2002.

Projected Utilization of Adult Open Heart Surgery Procedures
by Region of Patient Origin, 2005

Patient Origin by Region	Age Group	Base Year Population (2002)	2005 Population	Projected Use Rate 2005
Western Maryland	15-44	174,411	176,085	34.6
	45-64	104,098	114,407	256.2
	65+	52,455	54,167	780.2
Metropolitan Washington				
<i>Maryland Suburbs</i>	15-44	870,213	875,659	11.8
	45-64	481,086	529,009	192.3
	65+	183,853	198,794	521.3
Metropolitan Baltimore	15-44	1,050,880	1,045,682	14.0
	45-64	608,395	664,106	215.2
	65+	293,782	302,980	570.6
Eastern Shore	15-44	153,168	152,668	9.3
	45-64	101,579	111,649	163.9
	65+	56,074	57,993	591.7

Source: Maryland Health Care Commission.

Use Rates: Maryland Hospital Discharge Abstracts 2000 (file created 3/27/2001), 2001 (file created 6/3/2003), 2002 (file created 6/6/2003).

District of Columbia Hospital Discharge Abstracts 2000, 2001, 2002.

The projected use rates for Maryland patients are based on the average annual percent change between 2000-2002.

The projection for Washington, D.C. residents reflects 2002 base year cases.

Maryland Population Data: 2002 Household Population Projections by Age, Sex and Race (2/14/03), prepared by Maryland Department of Planning.

Consideration of a New Adult Cardiac Surgery Program
by Regional Service Area: Target Year 2005

Facility Name	Volume [^]	Projected Utilization (2005)	Minimum Volume (200) Standard Met in Base Year	Number of Hospitals Meeting Minimum Volume ^{^^}	Consider New Program
Western Maryland					
SACRED HEART HOSPITAL	285	317	Y	1	N
Metropolitan Washington Region					
PRINCE GEORGE'S HOSPITAL CENTER	159		N		
WASHINGTON ADVENTIST HOSPITAL	739		Y		
<i>Subtotal Maryland</i>				1	
GEORGETOWN UNIVERSITY HOSPITAL *	260		Y	--	
GEORGE WASHINGTON UNIVERSITY HOSPITAL	190		N		
HOWARD UNIVERSITY HOSPITAL	23		N		
WASHINGTON HOSPITAL CENTER	2,252		Y		
<i>Subtotal Washington, D.C.</i>				1	
Metropolitan Washington Total	3,623	3,720		2	Y
Metropolitan Baltimore Region					
ST JOSEPH MEDICAL CENTER	1,181		Y		
JOHNS HOPKINS HOSPITAL	946		Y		
SINAI HOSPITAL	522		Y		
UNION MEMORIAL HOSPITAL	938		Y		
UNIVERSITY OF MARYLAND MEDICAL CENTER	490		Y		
Metropolitan Baltimore Total	4,077	3,860	Y	5	N
Eastern Shore					
PENINSULA REGIONAL MEDICAL CENTER	673	670	Y	1	N

Source: Maryland Health Care Commission.

*Georgetown University Hospital consolidated its cardiac surgery program with the program at Washington Hospital Center on August 1, 2003.

[^]The volume of an existing cardiac surgery program is calculated as follows:

(i) For a new program, the greater of 200 cases or the actual number of cases during the first three years of the program's existence.

Sacred Heart Hospital performed its first OHS procedure on November 13, 2000.

(ii) For a program older than three years, the actual cases performed in the base year.

^{^^} Additionally, the Commission will determine whether existing programs in a Regional Service Area have demonstrated compliance with the Commission's public reporting requirements.